

PART I Authorization to Operate

- A. The permittee is authorized to operate Class V Injection Wells at the facility as described in the permit application and in the cover page of this permit, in accordance with the provisions set forth in this permit. In the case of this permit, the injection wells and injections trenches described in the permit application are defined as the injection wells.
- B. Only the treated groundwater (effluent) from the groundwater treatment system with the amendments described in the permit application shall be injected.
- C. This permit and the authorization to inject shall remain in effect until the expiration date stated on the cover page of this permit. If the permittee desires to continue injection past the expiration date of this permit, the permittee shall request a permit reissuance at least 180 days prior to expiration of this permit.

PART II Construction Requirements**A. Injection Well Requirements**

- 1. If the subsurface conditions are determined to be unsuitable for injection upon construction of the injection wells, the permit may be revoked.
- 2. The permittee shall provide a means of sampling the fluid being injected after treatment and prior to injection

B. Modifications

Approval by ADEM shall be obtained prior to modification of any injection well or supporting surface. Modification shall mean any action that will change the configuration of the well beneath the surface, the methods of monitoring injection, or will result in injection of a fluid not specifically authorized by this permit.

PART III Monitoring and Operating Requirements**A. Injection Fluid**

- 1. The permittee shall not inject any substance that is defined as hazardous or toxic by Federal or State laws or regulations or any substance not identified in the application for this permit. The proposed use of substances other than those identified in the permit application must be reviewed and approved by the Department prior to use.
- 2. The permittee shall inject only treated groundwater with amendments as described in the permit application.
- 3. The permittee shall monitor the fluid to be injected as specified in Appendix A of this permit.
- 4. The permittee shall not exceed the limits established in Appendix A of this permit.

5. The Department may change the sampling requirements if the sampling data or other information indicates a need to do so.

B. Monitoring Wells

1. The permittee shall monitor the groundwater as specified in Appendix B of this permit.
2. The permittee shall not exceed the limits established in Appendix B of this permit.
3. ADEM may change the sampling requirements if the sampling data indicates a need to do so. Approval to change the sampling frequency must be obtained prior to changing the frequency.

C. Operation

1. Injection wells operated under this permit shall function properly and wastewater shall not surface or saturate the uppermost soil layer. Should an injection well fail to function properly, the permittee shall take corrective action, to include cessation of injection, as required by ADEM.
2. The permittee shall adopt the following best management practices:
 - a) Inspect terminal equipment, tanks, and chemical containers regularly for leaks.
 - b) Calibrate treatment and application equipment regularly.
 - c) Comply with federal, State, and local solids and liquid waste disposal regulations.

PART IV Records, Reports, & Submittals

A. Records

1. The permittee shall record the information listed below for all monitoring activities:
 - a) The date, exact place, and time of sampling or sampling measurement(s);
 - b) The name of individual(s) who perform the sampling or measurement(s);
 - c) The date(s) analyses were performed;
 - d) The name of the individual(s) who performed the analyses;
 - e) The analytical or technical methods used;
 - f) The results of each analysis performed; and
 - g) The completed chain-of-custody forms for all samples collected.

2. The permittee shall retain all records concerning the data used to complete the permit application, the operation of the injection wells, and the nature and composition of pollutants injected; to include applicable records of the calibration of instruments, meters and gauges, quality control records, and recordings from continuous monitoring instrumentation; until at least three years after the closure of well.
3. When requested by ADEM, the permittee shall deliver copies of any of the records maintained in accordance with this permit.

B. Reports

1. The reporting period for all monitoring performed under Appendix A shall be monthly. The reporting period for all monitoring performed under Appendix B shall be quarterly. Upon the effective date of this permit, the permittee shall submit reports not later than 28 days after each monitoring period, whether a discharge occurs from the groundwater treatment system or not. The monitoring reports shall include:
 - a) The date, exact place, and time of sampling or sampling measurement(s);
 - b) The results of each analysis performed.
2. The permittee shall report to the ADEM any of the following:
 - a) Any planned action which will change the use of the injection well, will result in injection of a fluid different from that authorized by this permit, will change the method of operations of any injection well, or will change the method of the monitoring of well operations or injected fluids.
 - b) Any planned transfer of ownership of all or part of the permitted facility.
 - c) Any relevant facts of which the permittee becomes aware which should have been submitted in a permit application and any corrections to data previously submitted in a permit application.
3. Other Submittals

Studies, engineering reports, plans and specifications, plugging and abandonment plans, logging reports, and other technical documents submitted to comply with this permit shall be prepared by or under the supervision of qualified persons defined by Rule 6-8-.29 of the UIC Regulations of the ADEM.

PART V Plugging and Abandonment

The permittee shall perform any abandonment and closure actions that may be required by ADEM to remove a threat to groundwater quality or to the health of persons which is caused by the injection activity.

PART VI Permit Modification, Revocation, Suspension, and Termination

- A. ADEM may impose emergency additional conditions to this permit when necessary to protect waters of the state from pollution. These conditions may include suspension of the permit to inject and shall remain in effect until the permit is modified, revoked, suspended or terminated in accordance with Rules 6-8-.12(a)3-5 and 6-8-.12(f) of the UIC Regulations of the ADEM.
- B. Non-emergency permit modification, revocation, suspension, and termination actions shall be accomplished in accordance with ADEM Administrative Code Rule 335-6-8.

PART VII General Provisions

- A. The permittee shall comply with all provisions of the UIC Regulations of the ADEM and shall comply with all provisions of this permit and shall reduce or halt injection if needed to maintain compliance with the permit and regulations.
- B. The permittee shall comply with all applicable Federal and State hazardous waste management regulations.
- C. The permittee shall allow members of the ADEM staff to:
 - 1. access property and records of the permittee for purposes of inspection.
 - 2. collect samples of the injected fluids, process and wastewater streams associated with the permitted injection wells.
 - 3. collect samples from monitoring wells.
 - 4. obtain copies of records upon request.
- D. The permittee shall immediately take all reasonable steps to minimize or correct any adverse environmental impact resulting from the operation of the permitted injection wells.
- E. This permit does not convey any property rights of any sort, or any exclusive privilege.
- F. The filing of a request by the permittee for a permit modification, revocation, and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- G. Any noncompliance with this permit constitutes a violation of the Alabama Water Pollution Control Act and/or the Underground Injection Control Regulations and is grounds for enforcement action such as permit termination, revocation, modification; or denial of a permit renewal application.

APPENDIX A

The wastewater discharge shall be limited and monitored by the permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>UNITS</u>	<u>DISCHARGE LIMITS</u>	<u>MONITORING REQUIREMENTS</u>	<u>SAMPLE TYPE</u>
Benzene	mg/L	0.005	Monthly	Grab
Toluene	mg/L	1	Monthly	Grab
Ethyl Benzene	mg/L	0.7	Monthly	Grab
Xylenes	mg/L	10	Monthly	Grab
Benzo(a)pyrene	mg/L	0.0002	Monthly	Grab
MtBE	mg/L	Monitor	Monthly	Grab
Lead	mg/L	0.015	Monthly	Grab

APPENDIX B

Groundwater monitoring wells MW-3 and MW-16 shall be sampled and limited as specified below:

<u>GROUNDWATER CHARACTERISTICS</u>	<u>UNITS</u>	<u>MONITORING REQUIREMENTS</u>		
		<u>SAMPLE TYPE</u>	<u>FREQUENCY</u>	<u>LIMIT</u>
Nitrate	mg/L	Grab	Quarterly	10
Phosphorous	mg/L	Grab	Quarterly	Monitor
Sulfate	mg/L	Grab	Quarterly	250
Iron	mg/L	Grab	Quarterly	0.3
Copper	mg/L	Grab	Quarterly	1
Manganese	mg/L	Grab	Quarterly	0.05
Zinc	mg/L	Grab	Quarterly	5

ADEM Permit Rationale

Date: March 27, 2009

Prepared by: Joe Kelly

Permittee Name: Schmidt Oil Products c/o Randy Mummert, 1204 Timberland Court, SW,
Decatur, AL 35603

Facility Name: Craig's Grocery

Location: 20562 Huntsville-Brown's Ferry Road
Tanner, Limestone County, Alabama

UIC Permit Number ALSI9942004

Draft Permit is: Initial Registration / New Use

Injection Description: Injection of treated groundwater with amendments associated with a
groundwater remediation system

Discussion: Standard permit drafted.

1. No hazardous injection
2. Effluent Sampling required
3. Groundwater Monitoring Required